1600

RAW SEQUENCE LISTING
PATENT APPLICATION: **US/09/688,286D**

DATE: 07/15/2003
TIME: 07:51:52

Input Set : **A:\11373A.seqlist.txt**
Output Set: **N:\CRF4\07152003\I688286D.raw**

See page 6

3 <110> APPLICANT: Willson, Tracey
4 Nicola , Nicos
5 Hilton, Douglas
6 Metcalf, Donald
7 Zhang , Jian
9 <120> TITLE OF INVENTION: A novel haemopoietin receptor and genetic sequences encoding same
11 <130> FILE REFERENCE: 23199-215
13 <140> CURRENT APPLICATION NUMBER: US 09/688,286D
C--> 14 <141> **CURRENT FILING DATE: 2003-07-10**
16 <150> PRIOR APPLICATION NUMBER: AU PN6135
17 <151> PRIOR FILING DATE: 1995-10-23
19 <150> PRIOR APPLICATION NUMBER: AU PN7276
20 <151> PRIOR FILING DATE: 1995-12-22
22 <150> PRIOR APPLICATION NUMBER: AU PP2208
23 <151> PRIOR FILING DATE: 1996-09-09
25 <160> NUMBER OF SEQ ID NOS: 12
27 <170> SOFTWARE: PatentIn version 3.1
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30 <211> LENGTH: 1680
31 <212> TYPE: DNA
32 <213> ORGANISM: Mus musculus
34 <220> FEATURE:
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<222> LOCATION: (1)..(1680)
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43 Met Ala Arg Ile Ala Leu Leu Gly Glu Leu Leu Val Leu Leu Trp
44 1 5 10 15
46 acc gcc gcc ctg ggc ctg ctt gcc gcc gcc aca gag ctt cag ccc act 150
47 Thr Ala Thr Val Gly Gln Val Ala Ala Ala Thr Gln Val Gln Ile Ile
48 20 25

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/688,286D
DATE: [illegible]
TIME: [illegible]

Input Set : A:\11373A.seqlist.txt
Output Set: N:\CRF4\07152003\I688286D.raw

His Arg Lys Glu Glu Leu Pro Leu Asp Glu Lys Ile Cys Leu Gln Val
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ggc tct cag tgt agt gcc aat gaa agt gag aag cct agc cct ttg gtg 396
Gly Ser Gln Cys Ser Ala Asn Glu Ser Glu Lys Pro Ser Pro Leu Val
100 105 110

aaa aag tgc atc tca ccc cct gaa ggt gat cct gag tcc gct gtg act 444
Lys Lys Cys Ile Ser Pro Pro Glu Gly Asp Pro Glu Ser Ala Val Thr
115 120 125

gag ctc aag tgc att tgg cat aac ctg agc tat atg aag tgt tcc tgg 492
Glu Leu Lys Cys Ile Trp His Asn Leu Ser Tyr Met Lys Cys Ser Trp
130 135 140

ctc cct gga agg aat aca agc cct gac aca cac tat act ctg tac tat 540
Leu Pro Gly Arg Asn Thr Ser Pro Asp Thr His Tyr Thr Leu Tyr Tyr
145 150 155 160

tgg tac agc agc ctg gag aaa agt cgt caa tgt gaa aac atc tat aga 588
Trp Tyr Ser Ser Leu Glu Lys Ser Arg Gln Cys Glu Asn Ile Tyr Arg
165 170 175

gaa ggt caa cac att gct tgt tcc ttt aaa ttg act aaa gtg gaa cct 636
Glu Gly Gln His Ile Ala Cys Ser Phe Lys Leu Thr Lys Val Glu Pro
180 185 190

agt ttt gaa cat cag aac gtt caa ata atg gtc aag gat aat gct ggg 684
Ser Phe Glu His Gln Asn Val Gln Ile Met Val Lys Asp Asn Ala Gly
195 200 205

aaa att agg cca tcc tgc aaa ata gtg tct tta act tcc tat gtg aaa 732
Lys Ile Arg Pro Ser Cys Lys Ile Val Ser Leu Thr Ser Tyr Val Lys
210 215 220

cct gat cct cca cat att aaa cat ctt ctc ctc aaa aat ggt gcc tta 780
Pro Asp Pro Pro His Ile Lys His Leu Leu Leu Lys Asn Gly Ala Leu
225 230 235 240

tta gtg cag tgg aag aat cca caa aat ttt aga agc aga tgc tta act 828
Leu Val Gln Trp Lys Asn Pro Gln Asn Phe Arg Ser Arg Cys Leu Thr
245 250 255

[illegible]
Tyr Gln Val Glu Val Asn Asn Thr Gln Thr Asp [illegible] His Asn Ile Leu
[illegible]

[illegible]
Gln Val Glu Glu Arg Lys Cys Gln Asn Ser [illegible] Arg Asn Asn Met
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gac ggt aca agt tgt ttc caa ctc cct ggt gtt ctt gcc gac gct gtc [illegible]
Glu Gly Thr Ser Cys Phe Gln Leu Pro Gly Val Leu Ala Asp Ala Val
290 295 300

[illegible]
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[illegible]

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/688,286D

DATE: 07/15/2003
TIME: 09:11:14

Input Set : A:\11373A.seqlist.txt
Output Set: N:\CRF4\07152003\I688286D.raw

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131 Val Ala Val Ala Val Ile Ile Leu Leu Phe Tyr Leu Lys Arg Leu Lys
132             355                 360                 365
134 atc att ata ttt cct cca att cct gat cct ggc aag att ttt aaa gaa      1212
135 Ile Ile Ile Phe Pro Pro Ile Pro Asp Pro Gly Lys Ile Phe Lys Glu
136     370                 375                 380
138 atg ttt gga gac cag aat gat gat acc ctg cac tgg aag aag tat gac      1260
139 Met Phe Gly Asp Gln Asn Asp Asp Thr Leu His Trp Lys Lys Tyr Asp
140 385                 390                 395                 400
142 atc tat gag aaa caa tcc aaa gaa gaa acg gat tct gta gtg ctg atc      1308
143 Ile Tyr Glu Lys Gln Ser Lys Glu Glu Thr Asp Ser Val Val Leu Ile
144                 405                 410                 415
146 gaa aac ctg aag aaa gca gct cct tgatggggag aagtgatttc tttcttgcct      1362
147 Glu Asn Leu Lys Lys Ala Ala Pro
148             420
150 ccaatgtgac cctgtgaaga tttattgcat tctccatttg ttatctgggg gacttgttaa      1422
151 attagaaaatg aaaactactct tgaaaaacag gcagctccta agagccacag gtcttgatgt      1482
154 gacttttgca ttgaaaaccc aaacccaaag gagctccttc caagaaaagc aagagttctt      1542
156 ctcgttcctt gttccaatcc ctaaaagcag atgttttgcc aaatccccaa actagaggac      1602
158 taagacaagg ggacaatgac catcaattca tctaatcagg aattgtgatg gcttcctaag      1662
160 gaatctctgc ttgctctg                                                  1680
162 <210> SEQ ID NO: 2
163 <211> LENGTH: 424
164 <212> TYPE: PRT
165 <213> ORGANISM: Mus musculus
166 <400> SEQUENCE: 2
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174 Thr Ala Thr Val Gly Gln Val Ala Ala Ala Thr Glu Val Gln Pro Pro
175             20                  25                  30
178 Val Thr Asn Leu Ser Val Ser Val Glu Asn Leu Cys Thr Ile Ile Trp
179         35                  40                  45
182 Thr Trp Asn Ile Ile Ile Thr Gly Ala Ser Ile Ile Asn Tyr Thr Ile Asn Tyr
183     50                  55                  60
186 Ile Asn Asn His Ile Asp Asp Glu Leu Arg Lys Val Ile Ala Ile Leu Thr
187 65                  70                  75                  80
190 His Asn Lys Glu Glu Leu Pro Leu Asp Glu Lys Ile Cys Leu Gln Val
191                 85                  90                  95
194 Gly Ser Gln Cys Ser Ala Asn Glu Ser Glu Lys Pro Ser Pro Leu Val
195             100                 105                 110
198 Lys Lys Cys Ile Ser Ile Ile Glu Gly Asp Ile Gln Ser Ala Val Thr
199         115                 120                 125
202 Glu Leu Leu Val Met His Leu Glu Ala Met Met Asn Ala Thr
203     130                 135                 140
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RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/688,286D

DATE: [illegible]
TIME: 07:[illegible]

Input Set : A:\11373A.seqlist.txt
Output Set: N:\CRF4\07152003\I688286D.raw

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Ser Phe Glu His Gln Asn Val Gln Ile Met Val Lys Asp Asn Ala Gly
        195                 200                 205
Lys Ile Arg Pro Ser Cys Lys Ile Val Ser Leu Thr Ser Tyr Val Lys
    210                 215                 220
Pro Asp Pro Pro His Ile Lys His Leu Leu Leu Lys Asn Gly Ala Leu
225                 230                 235                 240
Leu Val Gln Trp Lys Asn Pro Gln Asn Phe Arg Ser Arg Cys Leu Thr
                245                 250                 255
Tyr Glu Val Glu Val Asn Asn Thr Gln Thr Asp Arg His Asn Ile Leu
            260                 265                 270
Glu Val Glu Glu Asp Lys Cys Gln Asn Ser Glu Ser Asp Arg Asn Met
        275                 280                 285
Glu Gly Thr Ser Cys Phe Gln Leu Pro Gly Val Leu Ala Asp Ala Val
    290                 295                 300
Tyr Thr Val Arg Val Arg Val Lys Thr Asn Lys Leu Cys Phe Asp Asp
305                 310                 315                 320
Asn Lys Leu Trp Ser Asp Trp Ser Glu Ala Gln Ser Ile Gly Lys Glu
                325                 330                 335
Gln Asn Ser Thr Phe Tyr Thr Thr Met Leu Leu Thr Ile Pro Val Phe
            340                 345                 350
Val Ala Val Ala Val Ile Ile Leu Leu Phe Tyr Leu Lys Arg Leu Lys
        355                 360                 365
Ile Ile Ile Phe Pro Pro Ile Pro Asp Pro Gly Lys Ile Phe Lys Glu
    370                 375                 380
Met Phe Gly Asp Gln Asn Asp Asp Thr Leu His Trp Lys Lys Tyr Asp
385                 390                 395                 400
Ile Tyr Glu Lys Gln Ser Lys Glu Glu Thr Asp Ser Val Val Leu Ile
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Glu Asn Leu Lys Lys Ala Ala Pro
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<211> LENGTH: [illegible]
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<223> OTHER INFORMATION:
W--> 288 <400> 3
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RAW SEQUENCE LISTING DATE: [illegible]
PATENT APPLICATION: US/09/688,286D TIME: 07:51:52

Input Set : A:\11373A.seqlist.txt
Output Set: N:\CRF4\07152003\I688286D.raw

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303 tgg aca tgg aat cca ccc gag gga gcc agc tca aat tgt agt cta tgg      252
304 Trp Thr Trp Asn Pro Pro Glu Gly Ala Ser Ser Asn Cys Ser Leu Trp
305      50                  55                  60
307 tat ttt agt cat ttt ggt gac aaa caa gat aag aaa ata ggt ccg gaa      300
308 Tyr Phe Ser His Phe Gly Asp Lys Gln Asp Lys Lys Ile Ala Pro Glu
309  65                  70                  75                  80
311 act cgt cgt tca ata gaa gta ccc ctg aat gag agg att tgt ctg caa      348
312 Thr Arg Arg Ser Ile Glu Val Pro Leu Asn Glu Arg Ile Cys Leu Gln
313                  85                  90                  95
315 gtg ggg tcc cag tgt agc acc aat gag agt gag aag cct agc att ttg      396
316 Val Gly Ser Gln Cys Ser Thr Asn Glu Ser Glu Lys Pro Ser Ile Leu
317             100                 105                 110
319 gtt gaa aaa tgc atc tca ccc cca gaa ggt gat cct gag tct gct gtg      444
320 Val Glu Lys Cys Ile Ser Pro Pro Glu Gly Asp Pro Glu Ser Ala Val
321         115                 120                 125
323 act gaa ctt caa tgc att tgg cac aac ctg agc tac atg aag tgt tct      492
324 Thr Glu Leu Gln Cys Ile Trp His Asn Leu Ser Tyr Met Lys Cys Ser
325     130                 135                 140
327 tgg ctc cct gga agg aat acc act ccc gac act aac tat act ctc tac      540
328 Trp Leu Pro Gly Arg Asn Thr Ser Pro Asp Thr Asn Tyr Thr Leu Tyr
329 145                 150                 155                 160
331 tat tgg cac aga acc ctg gaa aaa att cat caa tgt gaa aac atc ttt      588
332 Tyr Trp His Arg Ser Leu Glu Lys Ile His Gln Cys Glu Asn Ile Phe
333                 165                 170                 175
335 aga gaa ggc caa tac ttt ggt tgt tcc ttt gat ctg acc aaa gtg aag      636
336 Arg Glu Gly Gln Tyr Phe Gly Cys Ser Phe Asp Leu Thr Lys Val Lys
337             180                 185                 190
339 gat tcc agt ttt gaa caa cac act gtc caa ata atg gtc aag gat aat      684
340 Asp Ser Ser Phe Glu Gln His Ser Val Gln Ile Met Val Lys Asp Asn
341         195                 200                 205
343 gca gga aaa att aaa cca tcg ttt aat cta gta gat cct aaa tca aag
344 Ala Gly Lys Ile Lys Pro Ser Phe Asn Leu Val Asp Pro Lys Ser Lys
345     210                 215                 220
347 cct aaa aaa atg gct cgt gtt act ggt aat aaa tca ttg aat ctg tct
348 Val Lys Pro Asp Pro Pro His Ile Lys Asn Leu Ser His His Asn Arg
349 225                 230                 235                 240
351 gac cta tat gtg caa tgg gag aat cca cag aat ttt att agc aga tgc      828
352 Asp Leu Tyr Val Gln Trp Glu Asn Pro Gln Asn Phe Ile Ser Arg Cys
353                 245                 250                 255
355 cta ttt tat gaa gta gaa gtc aat aac aat caa act gat tta aat att
356 Leu Phe Tyr Glu Val Glu Val Asn Asn Ser Gln Thr Asp Leu Asn Ile
357             260                 265                 270
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RAW SEQUENCE LISTING ERROR SUMMARY DATE: 07/15/2003
PATENT APPLICATION: US/09/688,286D TIME: 07:51:53

Input Set : A:\11373A.seqlist.txt
Output Set: N:\CRF4\07152003\I688286D.raw

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:9; Xaa Pos. 3
Seq#:10; Xaa Pos. 24
Seq#:11; Xaa Pos. 24

VERIFICATION SUMMARY DATE: 07/15/2003
PATENT APPLICATION: **US/09/688,286D** TIME: 07:51:53

Input Set : **A:\11373A.seqlist.txt**
Output Set: **N:\CRF4\07152003\I688286D.raw**

L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:39 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:1,Line#:37
L:288 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:3,Line#:286
L:589 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0
L:613 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:16
L:637 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:16

1600

RAW SEQUENCE LISTING DATE: 07/10/2003
PATENT APPLICATION: **US/09/688,286D** TIME: 11:05:02

Input Set : **A:\11373A.seqlist.txt**
Output Set: **N:\CRF4\07102003\I688286D.raw**

3 <110> APPLICANT: Willson, Tracey
4 Nicola , Nicos
5 Hilton, Douglas
6 Metcalf, Donald
7 Zhang , Jian
8 <120> TITLE OF INVENTION: A novel haemopoietin receptor and genetic sequences encoding same
11 <130> FILE REFERENCE: 11373-215
13 <140> CURRENT APPLICATION NUMBER: US 09/688,286D
C--> 14 <141> CURRENT FILING DATE: 2000-10-13
16 <150> PRIOR APPLICATION NUMBER: AU PN6135
17 <151> PRIOR FILING DATE: 1995-10-23
19 <150> PRIOR APPLICATION NUMBER: AU PN7276
20 <151> PRIOR FILING DATE: 1995-12-22
22 <150> PRIOR APPLICATION NUMBER: AU PP2208
23 <151> PRIOR FILING DATE: 1996-09-09
25 <160> NUMBER OF SEQ ID NOS: 12
27 <170> SOFTWARE: PatentIn version 3.1

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641 <210> SEQ ID NO: 12
642 <211> LENGTH: *
643 <212> TYPE: PRT
644 <213> ORGANISM: Unknown
645 <220> FEATURE:
647 <223> OTHER INFORMATION: peptide motif found in many members of the haemopoietin receptor
648 family
650 <400> SEQUENCE: 12
652 Trp Ser Asp Trp Ser
653 1
E--> 662 - 11 - Peter

VERIFICATION SUMMARY DATE: 07/10/2003
PATENT APPLICATION: **US/09/688,286D** TIME: 11:05:03

Input Set : **A:\11373A.seqlist.txt**
Output Set: **N:\CRF4\07102003\I688286D.raw**

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L:39 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:1,Line#:37
L:288 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:3,Line#:286
L:589 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0
L:613 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:16
L:637 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:16
L:662 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:12